

# CAL POLY REPORT

California Polytechnic State University  
San Luis Obispo, California 93407

February 1, 1979

Volume 30, Number 22

## Trustees' actions reported

The Board of Trustees of The California State University and Colleges took the following actions at its meeting Jan. 24:

- Named the library at California State College, Stanislaus "J. Burton Vasche Library." The late Dr. Vasche was founding President of the campus from 1960 until his retirement in 1962.
- Amended Title 5, California Administrative Code, section on Preretirement Reduction in Time Base Program to include librarians, counselors, and student affairs officers (along with faculty). Program permits these employees to reduce their workloads without any forfeiture of their state retirement benefits. Fewer than 50 employees currently participate throughout the system.
- Authorized the Chancellor to submit a final application for funds to the federal Department of Housing and Urban Development for construction of student housing at California State University, Northridge.
- Appointed Dr. Mary Jean Pew and Frank P. Adams as Trustee representatives to the California Postsecondary Education Commission.

## Kennedys to be honored by Orchesis dance

"Dance Silhouette," the 1979 edition of the annual concert presentation of the Orchesis Dance Club, will be dedicated to the university's retiring president, Dr. Robert E. Kennedy, and his wife, Mary. The concert, scheduled for the Cal Poly Theatre at 8 pm on Friday and Saturday, (Feb. 9 and 10) will be open to the public.

Tickets priced at \$3 for public and \$2.50 for students will be available in advance at the Julian A. McPhee University Union ticket desk on campus and Hurley's Pharmacy in San Luis Obispo, and at the theatre box office the nights of performance.

Dr. and Mrs. Kennedy will be honored for their "constant support and love of Orchesis and its activities," according to Mrs. Moon Ja Minn Suhr, Orchesis advisor and a member of Cal Poly's Physical Education Department faculty.

A total of 16 dances are scheduled for the presentation, with music by a variety of composers and sources. Disco will be represented by "A Fifth of Beethoven," show tunes will have their moments in "Willkommen" from "Cabaret," and rock will have "Bouree" by Jethro Tull.

Other music to accompany the dances will be "Dear Father" by Neil Diamond, "New Country" by jazz violinist Jean Luc Ponty, "Slaughter on Tenth Avenue" by Richard Rodgers, and the classical pieces, "Lullaby" by Brahms, "Swan Lake" and "Nutcracker Suite" by Tchaikovsky, and the hymn "Amazing Grace."

Most of the dances to be preformed will be choreographed by students in Mrs. Suhr's choreography and stage dance production class.



## New welding textbook by Poly prof

Welding technology is the subject of a new text written and edited by Poly faculty members and published by the James F. Lincoln Arc Welding Foundation. Titled *Principles of Industrial Welding*, the new book was edited by Enrico Bongio (Engineering Technology). He was assisted by Emmett A. Smith and Richard A. Sabo of the Lincoln Foundation. The authors include Harry Honegger (Metallurgical and Welding Engineering) and Thomas Kay, William Oliver, and Glen Seeber (all Engineering Technology).

The text, which is now being used in university classes, follows to some extent the course work in welding technology offered by Cal Poly. Bongio said it is designed to give students an overall view of the fusion processes by which metals are joined. The material presented has been purposely simplified to allow its application to any career associated with welding as a production process.

## Apollo training suit on display

The Apollo training suit constructed for Astronaut John Young will be on campus at the Home Economics Department for approximately two weeks in February. The National Aeronautics and Space Administration has loaned the space suit for use in Functional Clothing class taught by Barbara Weber (Home Economics) which deals with clothing for special needs. The ultimate in functional design and protective construction, the space suit must protect the astronaut from temperatures varying from 250 degrees Fahrenheit above to 250 degrees Fahrenheit below zero and provide artificial atmosphere, mobility, protection from micrometeorites, and damage from radiation. The suit will be on display in Home Economics 135 Friday (Feb. 9) from 9 am until 4 pm and on Saturday (Feb. 10) from 9 am until 12 noon. Interested individuals are encouraged to see this unusual display.



## First Weekend Program

"The Future of Knowledge" as seen by philosopher-engineer Buckminster Fuller and philosopher-historian William Irwin Thompson, will be presented in taped-talks by both men on Sunday (Feb. 4). Presented as part of the First Weekend Program series, the evening will begin with an informal, no-host supper from 6 to 7 pm in the small, banquet room of the Vista Grande restaurant on campus. Excerpts from a radio interview with Buckminster Fuller will be featured.

A taped talk by Thompson, originally given at Findhorn, the new consciousness center in Scotland, will be played and discussed at 7:15 pm in University Union 216. The First Weekend series, now in its sixth year, is sponsored by the School of Communicative Arts and Humanities. Bernice B. Loughran (Art) who coordinated the school's interdisciplinary humanities courses, is in charge of the series.



## Dial-up access changed

Effective Feb. 3, all telephone numbers used for dial-up access to computers will be switched over to the newly installed Terminal Switching System (TSS). After Feb. 3 all computer systems will be accessed by dialing 2711. Detailed dial-up procedures are being mailed to all departments and will be posted in laboratories with dial-up terminals.

This is the first phase of the implementation of the TSS. By the beginning of the Spring Quarter all terminals will be connected to this system. The main feature of the TSS is that any terminal will be able to access any port on any of the timesharing computers available at Cal Poly. The addition of this equipment is expected to increase the utilization of ports and terminals as well as provide greater flexibility for remote terminal users.

## Foundation Board meeting

The Board of Directors of the California Polytechnic State University Foundation will hold a regular meeting on Tuesday, Feb. 13 at 8:30 am in Adm. 409 on the California Polytechnic State University campus in San Luis Obispo, California. This is a public meeting. For further information about this meeting, or to obtain a copy of the meeting agenda, contact Al Amaral (Executive Director, Cal Poly Foundation) in University Union 212, or call Ext. 1131.

## Books at High Noon

Sonja Murray (Physical Education) will review Dr. Art Ulene's *Feeling Fine: a 20-Day Program of Pleasures for a Lifetime of Health* on Tuesday (Feb. 6) at 12 noon in the Staff Dining Room. Her background in health education is extensive; she teaches yoga and tennis at Cal Poly as well as pursuing her own active physical fitness program. She is a strong advocate of Dr. Ulene's book, which discusses how to improve health by developing four aspects of life: (1) body pleasures; (2) eating pleasures; (3) unstressing pleasures; and (4) growing pleasures.

Ulene takes a positive approach to fitness, emphasizing balance in life, getting in touch with one's feelings, and a program of self care to prevent illness. He calls his approach "well" medicine. The book has been very successful, and Ulene appears regularly on television, especially on the Today show. His popularity appears to stem from the fact that he shows how each person can prevent illness and feel marvelous due to his or her own efforts, rather than relying on traditional medicine.

Books at High Noon is sponsored by the Cal Poly Library and meets each Tuesday in the Staff Dining Room at 12 noon. All the books reviewed at Books at High Noon are available in the University Library.



## Extension course to feature tour

Cal Poly Extension has just received confirmation from the M.H. de Young Memorial Museum in San Francisco that its 150-ticket tour of the King Tut Exhibit has been scheduled for Sunday (Sep. 30) The tour will be part of a weekend course, "Treasures of the Nile Valley," which is being planned for Friday, Saturday, and Sunday (Sep. 21, 22, and 23) in Architecture and Environmental Design 225.

The 1.5 unit course will be taught by Carleton M. Winslow (Acting Head Architecture) and Robert Hoover (Acting Head Social Sciences). The course fee will be \$37.50 plus the \$6.50 tour ticket. More details on the short course and tour in September can be obtained by calling Ext. 2053.

## Next play in rehearsal

Suspense and terror are the emotions being rehearsed by the cast that will present Louise Fletcher's "Night Watch" as the Winter Quarter drama production of the Speech Communication Department. The mystery thriller will be presented at 8 pm on Thursday, Friday, and Saturday (Feb. 22, 23, and 24) in the Cal Poly Theatre. "Night Watch," according to the director, Murray Smith (Speech Communication) was an outstanding Broadway success. "It is a gripping play that builds steadily in menace and suspense until its final shocking moments."

Providing some thrills and chills will be Tom Strelch and Rebecca Kopps who appear in two of the major roles. Strelch, of Bakersfield is a graduate student in biological sciences at Cal Poly. Miss Kopps is an alumna of Cal Poly and a native of San Luis Obispo. She appeared in many productions while a student at San Luis Obispo Senior High School and Cal Poly, and with the San Luis Obispo Little Theatre.

Tickets for the Cal Poly production, all sold on a reserved-seat basis, are priced at \$2. They can be purchased at the University Union ticket office and at the door prior to performances.



## Engineer's Week coming

"S.L.O. Engineering for a Fast Future" will be the theme for the 1979 Engineer's Week celebration Sunday through Saturday (Feb. 18 through 24) at Cal Poly. A variety of activities including department demonstrations, speeches, films, and an amateur radio display will be part of the week long program planned by the Student Council of the School of Engineering and Technology.

Among the scheduled speaking engagements will be a presentation by the National Aeronautics and Space Administration on Tuesday (Feb. 20) and a panel discussion on future energy sources on Thursday (Feb. 22). A banquet in Pismo Beach is also being planned. It will be held at 8 pm on Friday (Feb. 23). Cal Poly's Engineer's Week observance is part of a national celebration sponsored by the National Society of Professional Engineers. The national theme for this year is "Engineers: People Bringing Purpose to Progress."

## Whatchamacallits revealed

"Public Doublespeak" will be the topic of a lecture to be given by Donald Lazere (English) during the Arts and Humanities Series program scheduled for Thursday (Feb. 8). Dr. Lazere's presentation will begin at 11 am in University Union 220. Admission will be free and the public is invited to attend.

Titled "Teaching about Public Doublespeak: The War on Semantic Pollution," the lecture is expected to deal with the semantic pollution spread by government, advertising, journalism, education, and others. It will include examples of jargon, gobbledygook, euphemism, and verbal deceptiveness, along with a discussion of the growing public reaction against language that is hard to understand.

Dr. Lazere is the author of a book on Albert Camus, the French philosopher and writer, and is a specialist in the rhetoric and semantics of politics and mass media. The Cal Poly program is presented by the School of Communicative Arts and Humanities as a service to the campus and the community.

## STAFF VACANCIES

**Vacant support staff positions have been announced by Robert M. Negrantl, Staff Personnel Officer.** Descriptions of the positions and other vacancies are posted outside the Personnel Office, Adm. 110, Ext. 2236. Contact the Personnel Office to obtain an application. The University is subject to all laws governing Affirmative Action and equal employment opportunity including but not limited to Executive Order 11246 and Title IX of the Education Amendments Act and the Rehabilitation Act of 1973. All qualified persons are encouraged to apply.

**Equipment Technician I-A, \$592-\$712/month, half-time,** Reports at Audiovisual Services. Duties: repair, replace, maintain and install fire alarm systems and components. Includes regular testing, checking of fire alarm systems and keeping operational logs. Ability to use electronic test equipment. Must have a thorough knowledge of and one year experience in the operation and maintenance of fire alarm control systems and equipment. Familiarity with fire alarm laws and regulations. Closing Date: 2/15/79.

**Clerical Assistant II-A, \$729-\$871/month,** Graphic Communications Dept., School of Communicative Arts & Humanities. Duties: General office clerical tasks; filing, record keeping, handling phone messages, assisting students/visitors. Processing State/Foundation payrolls, typing instructors' handouts and exams. Writing correspondence from copy or may compose. Updating class schedule boards. Minimum one year clerical experience, type 45 wpm, and must have taken General Clerical Test. Closing Date: 2/15/79.

**Technical Assistant I, \$412.50-\$493.50/month, half-time,** AV Services. Involves booking, delivery, pick-up of equipment and materials. Supervision of student assistants. Maintenance of inventories of equipment/materials. Cleans, repairs, edits AV materials, services classroom and over-the-counter requests for AV services. Time must be available in 4-hour blocks; may involve night work and Saturdays. Requires six months experience in audiovisual or related work pertinent to a college instructional program. Basic knowledge of electricity/electronics/mechanics preferred. Closing Date: 2/15/79.



## FACULTY VACANCIES

Candidates for positions on the faculty of the University are presently being sought, according to Donald L. Shelton (Director of Personnel Relations). Those interested in learning more about the positions are invited to contact the appropriate dean or department head. This University is subject to all laws governing Affirmative Action and equal employment opportunity including but not limited to Executive Order 11246 and Title IX of the Education Amendments Act and the Rehabilitation Act of 1973. All qualified persons are encouraged to apply.

**Lecturer, \$950-\$2883/quarter, depending upon qualifications, experience, and teaching load,** Psychology Dept., School of Human Development and Education. Part-time position for Spring Quarter 1979. Duties and responsibilities include teaching three or more units in Introductory Psychology. Preference given to candidates with graduate work beyond the Master's degree and teaching experience or other professional activities. Closing Date: 2/23/79.

**Assistant/Associate Professor, \$14,256-\$21,624/academic year.** Home Economics Dept., School of Human Development and Education. Position available September 1979. Duties: Teaching courses in Nutrition or nutrition related field. Ph.D. required in Nutrition or nutrition related field; Registered Dietitian, have served an Internship in a hospital facility, and have one year's work experience in an Allied Health teaching hospital facility. Prior university teaching experience preferred. Closing Date: 3/1/79.

**Lecturers, \$2715-\$2970/year,** Computer Science and Statistics Dept., School of Science & Mathematics. Part-time position. Duties and responsibilities include teaching introductory level courses in computer programming and/or assisting faculty in research projects. Position requires concurrent enrollment in the M.S. program in Computer Science at Cal Poly. One-year appointment only. Several positions available September 1979. Closing Date: 4/15/79.

**Lecturers, \$4,336-\$5,712/quarter, salary quoted is based on 15 unit teaching load and will be adjusted according to assignment.** Part-time positions for Spring Quarter 1979 only. Home Economics Dept., School of Human Development and Education. Duties include teaching Nutrition and Senior Projects. Preference will be given to candidates with doctorate. Only applicants with a Master's degree in Home Economics or other appropriate



Master's plus Registered Dietitian certification, will be considered. Closing Date: 2/26/79.

**Lecturer, \$4,752-\$5,712/quarter**, Soil Science Dept., School of Agriculture and Natural Resources. Spring Quarter 1979 only. To teach Introductory Soil Science and Fertilizer courses. Duties will include teaching both lecture and laboratory sections of these courses. Candidate should possess an M.S. degree in Soil Science and have had previous experience in teaching in both of the areas of Introductory Soils and Fertilizers as well as experience on the farm in agriculture production. Position available March 22, 1979. Closing Date: 2/16/79.

**Lecturer, \$17,940-\$27,348/year; salary quoted is full-time scale and will be adjusted according to assignment**, Civil Engineering Dept., School of Engineering and Technology. Part-time position teaching courses in professional practice, civil engineering fundamentals, strength of materials, engineering computer applications, or any combination of the above. Ph.D. in Civil Engineering and five years minimum pertinent industrial experience required. Teaching experience and PE license desired. This position is for 1979-80 academic year only. Closing Date: 2/26/79.

**Lecturer, \$14,256-\$21,624/year; salary quoted is full-time scale and will be adjusted according to assignment**, Civil Engineering Dept., School of Engineering and Technology. Part-time position teaching courses in materials, drainage systems, highway design, strength of materials, highway and airfield pavement design, or other similar civil engineering courses. B.S. in Civil Engineering and 5 or more years of appropriate industrial experience and PE license required. Teaching experience in above areas also required. This position is for the 1979-80 academic year only. Closing Date: 2/26/79.

**Lecturer, \$14,256-\$27,348/year**, Civil Engineering Dept., School of Engineering and Technology. Full-time position teaching courses in strength of materials, civil engineering fundamentals, or other similar civil engineering courses. Master's in Civil Engineering or other related field and five years minimum pertinent industrial experience required as well as teaching experience in above areas. This position is for 1979-80 academic year only. Closing Date: 2/26/79.



## WHO...WHAT..WHEN...WHERE???

**Lachlan P. Macdonald, Director, Public Affairs**, spoke on Copyright for Public Affairs and Alumni Editors' to the periodicals section of the District VII Conference of the Council for the Advancement and Support of Education in Monterey, Jan. 24-26.

**Donald L. McCaleb, Public Information Officer**, attended the CASE conference, along with David Ritz, who represented the Cal Poly Alumni Association and received a CASE internship grant to attend the conference as a student delegate.

**Bud Gambrill, George G. Gowgani, Corwin M. Johnson, and Howard Rhoads, all Crop Science**, accompanied some 30 Crop Science students to the 31st Annual California Weed Conference held in Los Angeles Jan. 16-18. Howard Rhoads is a past president of the conference and George Gowgani has served on the Board of Directors of the

conference and was chairman of the Collegiate Committee.

**Dennis L. Beck, Ornamental Horticulture**, spoke to the American Seed Trade Association Garden Seed Section in San Francisco Jan. 18-20. His presentation focused around "New Horizons" for the flower seed industry.

**Everett M. Chandler, Dean of Students, Emeritus**, authored an article titled "Student Development: Where is the Health Service?" which appeared in the January issue of *The Journal of College Student Personnel*.

**Hewitt G. Wight, Chemistry, and Tracey G. Call, Biological Sciences**, are co-inventors of U.S. Patent 4,130,578 on Immunosuppressive Dithiocarbamates, issued Dec. 18.

## Use safety belts

The Chancellor's Council of Presidents has expressed concern over the CSUC's increasing Workers' Compensation costs and work days lost by employees due to work-related injuries or illness. In addition, the council indicated a deep interest in learning ways in which these conditions could be brought under control. Within the past month, CSUC campuses experienced three serious accidents involving state motor vehicles. In each of these accidents the employees involved were reported not to be wearing seat safety belts; this lack resulted in serious injuries to several employees. Investigation of these accidents revealed that the employees involved would have been less seriously injured or may not have been injured if they had been wearing seat safety belts as required by state policy or as called for by good safety practice.

It is felt that good safety practices by employees would contribute much towards bringing losses because of work-related accidents under control. The State Administrative Manual, Section 4141 and simple common sense require that seat belts and harnesses be in use whenever a state vehicle is being driven.



## Use of State vehicles

A recent directive received from the Department of General Services by James R. Landreth (Director, Business Affairs) requests the cooperation of all persons using State vehicles. The directive reads in part: "State drivers are urged to use self-service pumps at service stations to the extent possible without sacrificing safety and proper vehicle maintenance. The state operates more than 16,000 passenger vehicles, and gas station purchases are estimated to be six million gallons of gasoline annually. There is substantial difference in the costs of self-service versus full-service gasoline. Considering total state purchases, the potential savings from using self-service pumps can be significant. Drivers are urged and encouraged to assist in reducing the state's cost for gasoline."



\* Guidelines and/or applications available in Research Development Office, Admin 314/ext. 2982.  
\* Info requested/available soon.  
\* Contact agency directly.

**encouraging notes**

February 1, 1979

INTERNAL REVIEW OF PROPOSALS. Proposal writers are reminded that at least ten working days are required for administrative review of proposals before they can be ready to be sent off campus. Please add two weeks to your development time for such review when you are planning activities related to your proposal.

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FIPSE - THE SPECIAL FOCUS PROGRAM/ADAPTING IMPROVEMENTS: BETTER STRATEGIES FOR EDUCATING ADULTS. In this Special Focus Program, the Fund is seeking proposals which will improve and extend education for adults through the adaptation of diffusion of effective practices. Unlike the Comprehensive Program, which encourages proposals for improving postsecondary education without regard to category, this program solicits applications for a more specified impact. Proposals are acceptable for two targeted competitions: "Adapting Improvements, Better Strategies for Educating Adults," and "Examining the Varieties of Liberal Education." Applications must be concerned with (1) a specific area for improvement--adult learning--and (2) a particular strategy of improvement--adaptation/diffusion.

The previously published deadline of February 14 has been extended to *MAY 21, 1979.*

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THE NATIONAL INSTITUTE OF EDUCATION - TEACHING AND LEARNING RESEARCH GRANTS. The Teaching and Learning Program supports research to (1) enlarge scientific understanding of human learning and culture, and (2) increase knowledge of effective educational practices. It has been organized around the following lines of inquiry:

1. What basic processes are involved in acquisition of knowledge and development of intellectual skills?
2. How are acquisition and use of intellectual skills affected by different learning environments and social organizations?
3. How do cultural and linguistic differences affect the way in which knowledge and intellectual skills are acquired and used?
4. What methods best can be used to determine what has been learned and to assess the outcome of educational practices?

Proposals are sought in four areas:

1. Literacy, including research on the writing process and on the development of reading comprehension, especially among middle grade students and among adults with less formal training;
2. Mathematics learning, especially research on the nature of the conceptual and cognitive processes that are involved in learning, understanding, and doing mathematics, and how children and adults learn mathematical concepts and learn to perform mathematical tasks;
3. Teaching, involving research on formal and nonformal settings that influence learning and the application of knowledge on the part of children, youth, and adults; and
4. Methodology, especially studies of how new cognitive models of human learning, greater understanding of cultural factors affecting performance, and the rapidly declining cost of computers can be used to increase the instructional value of educational testing practice and procedure.

*PROGRAM DEADLINE: MARCH 29, 1979.*

\*\* NATIONAL SCIENCE FOUNDATION - DIVISION OF POLICY RESEARCH AND ANALYSIS. Proposals are solicited in the following general areas:

1. Socioeconomic Effects of Science and Technology;
2. Innovation Processes and Their Management;
3. Environment, Energy, and Resources;
4. Technology Assessment;
5. Cross-Cutting Topics

Approximately \$5 million is available in FY 1979 for research in these topics. Preliminary proposals are encouraged and the PRA staff will discuss prospective research projects. Formal proposals may be submitted at any time, but those submitted prior to *MARCH 1, 1979*, will have a greater likelihood of being funded during that fiscal year. Copies of the Program Announcement and further information may be obtained from the Division of Policy Research and Analysis, Room 1233, National Science Foundation, 1800 G Street, NW, Washington, DC, 20550, (202) 632-4088, Attention: Program Announcement 78-8.

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\*\* COUNCIL FOR INTERNATIONAL EXCHANGE OF SCHOLARS - RESEARCH OPPORTUNITIES IN SPAIN. Under the Treaty of Friendship and Cooperation between the U.S. and Spain, funds are available for twelve postdoctoral fellowships for research in Spain. Applications will be accepted in any of the following fields: Anthropology; Arts; Communications; Economics; Education; Humanities; Law; Political Science; Psychology; and Social Science. Completed applications must be received by *MARCH 1, 1979*. Application forms are available from the Council for International Exchange of Scholars, Eleven Dupont Circle, Suite 300, Washington, DC, 20036, (202) 833-4976.

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\*\*\* The following programs of support in the physical and life sciences have no fixed deadlines; proposals may be submitted at any time.

✧ AIR POLLUTION CONTROL RESEARCH GRANTS. To support and promote research and development projects relating to the causes, effects, extent, prevention and control of air pollution. Contact: Chief, Projects Processing Staff, RD-674, Office of Research and Development, Environmental Protection Agency, Washington, DC, 20460.

ALCOA FOUNDATION GRANTS - EDUCATION. Of primary interest to the Foundation is higher education, with the majority of grants awarded going to the development and strengthening of teaching in science, business, and engineering. Within these three areas the Foundation supports scholarships, fellowships and research projects. Contact: President, Alcoa Foundation, 1501 Alcoa Building, Pittsburgh, PA, 15219.

BASIC RESEARCH GRANTS AND CONTRACTS. For basic research projects in universities, colleges, government and industrial laboratories, and research institutes, in the fields of mathematics and the physical, engineering, life and environmental sciences. Contact: United States Army Research Office, Department of Defense, Post Office Box 12211, Research Triangle Park, NC, 27708.

EARTH RESOURCES SURVEY PROGRAM. For investigation into food and fiber production and water management, mineral and petroleum resources exploration, and land and water use assessments. Contact: Ms. Ruth Whitman, Resource Observations Division, National Aeronautics and Space Administration, Washington, DC, 20546.